

IN THE CLAIMS

1. (Currently Amended) An autostereoscopic projection viewer, comprising:

one or more pairs of projector lenses configured to correspond
to one or more pairs of respective projection displays,
an image corrector plate arranged about an image plane of each said pair
of projector lenses, wherein said image corrector plate is ~~capable of~~ adapted to optimize
two or more optical parameters selected from: chromatic dispersion, predetermined
phase perturbation, and eyebox projector optimization ~~correcting for predetermined~~
~~optical aberrations; and~~

a field lens, wherein said field lens is arranged at a predetermined
distance from said projector lenses and said image corrector plate to produce one or
more predetermined magnified stereoscopic aberration corrected and optimized images
of said projection displays at predetermined one or more pairs of optical eyezones.

2. (Original) The viewer of claim 1, wherein said image corrector plate
includes a volume hologram.

3. (Original) The viewer of claim 1, wherein said field lens includes a pair
of Fresnel lenses adapted to operate collectively as a field lens and having a respective
lens separation from about 3 to about 5 inches to reduce moiré effects.

4. (Original) The viewer of claim 3, wherein said field lenses include a
zonal plate.